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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/825,153		04/16/2004	Johannes Cornelis Driessen	081468-0309282	7863	
909	7590	08/23/2005		EXAM	EXAMINER	
PILLSBUI	RY WINT	THROP SHAW PI	GURZO, PAUL M			
P.O. BOX 1 MCLEAN,		02		ART UNIT	PAPER NUMBER	
,				2881	*	
				DATE MAILED: 08/23/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	
	10/825,153	DRIESSEN ET AL.	
Office Action Summary	Examiner	Art Unit	
	Paul Gurzo	2881	
The MAILING DATE of this communication appeared for Reply	ppears on the cover sheet with	the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perio - Failure to reply within the set or extended period for reply will, by statt Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	1. 1.136(a). In no event, however, may a replepty within the statutory minimum of thirty (ind will apply and will expire SIX (6) MONTHute, cause the application to become ABAN	ly be timely filed 30) days will be considered timely. IS from the mailing date of this communic NDONED (35 U.S.C. § 133).	ation.
Status		•	
1)⊠ Responsive to communication(s) filed on <u>04</u>	August 2005.		
· _ ·	nis action is non-final.		
3) Since this application is in condition for allow closed in accordance with the practice under	vance except for formal matter		s is
Disposition of Claims	, , ,	·	
4) ⊠ Claim(s) 1-19 is/are pending in the application 4a) Of the above claim(s) is/are withdrest is/are allowed. 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-3,15-17 and 19 is/are rejected. 7) ⊠ Claim(s) 4-14 and 18 is/are objected to. 8) □ Claim(s) are subject to restriction and	rawn from consideration.		
Application Papers			
9) The specification is objected to by the Exami	ner.		
10) The drawing(s) filed on is/are: a) ac	ccepted or b) objected to by	the Examiner.	
Applicant may not request that any objection to the	= , ,		
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the	·	•	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a list	nts have been received. nts have been received in Appiority documents have been reeau (PCT Rule 17.2(a)).	plication No eceived in this National Stage	
Attachment(s)			
1) Notice of References Cited (PTO-892)		mmary (PTO-413)	
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date		Mail Date prmal Patent Application (PTO-152) pr.	

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DETAILED ACTION

Terminal Disclaimer

The terminal disclaimer filed on 8/4/05 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of U.S. Patent No. 6,740,891 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 15-17, and 19 are rejected under 35 U.S.C. 102(b) as being anticipated by Morita et al. (5,914,493).

Regarding claims 1, 17, and 19, 493 teaches a load lock assembly that operates in the following manner: the first gate valve (2) is closed and the second gate valve (5) is opened to bring the load-lock chamber (3) to atmospheric pressure. One of several wafers (6), located at position D in the atmospheric chamber (8), is transported to position C and then to position B in the load-lock chamber (3). The second gate valve (5) is then closed and the load-lock chamber (3) is rapidly evacuated until the pressure inside of the load-lock chamber (3) matches the vacuum condition in the exposure-processing chamber (1). The first gate valve (2) is then opened and the wafer (6) is transported from position B to position A in the exposure-processing chamber (1). The first gate valve (2) is closed, and exposure processing begins in the exposure-processing chamber (1) (col. 1,

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lines 38-51 and Fig. 1). Therefore, there exists two vacuums, namely the vacuum present in chamber (3) and the one in chamber (1). The movement of the wafer (6) to the wafer stage (9) teaches the claimed communication and movement of a utility to a component and Fig. 1 clearly shows that the component (9) is movable in the vacuum chamber. The component (wafer stage (9)) is located in the first vacuum space and the conduit is the region within the second vacuum chamber (3). The casing of the chamber (3) will act as the conduit shield because it separates the first and second vacuum chambers and is constructed and arranged to allow for movement of the component. Further, the use of the gate valves (2 and 5) teach on the claimed vacuum generator that is coupled to the space and is constructed and arranged to provide a vacuum in the space comprising the at least one conduit (col. 4, lines 28-64).

Regarding claims 2 and 3, Fig. 1 clearly depicts the claimed conduit shield (3) and this shield comprises the conduct and has at least two joints and the shape of the shield/conduct will guide and shield.

Regarding claims 15 and 16, it is inherent that the vacuum chambers can be pumped to the desired pressures by the respective vacuum generators, and Fig. 1 clearly shows the claimed component being an object table (9).

Allowable Subject Matter

Claims 4-14 and 18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Regarding these claims, the prior art does not teach or render obvious the claimed motor vacuum seals in each of the joints, the at least one hollow elongate arm portion, or

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a lithographic projection apparatus comprising a radiation system, a first and second

object table, and the assembly communicating utilities to one of the object tables.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Paul Gurzo whose telephone number is (571) 272-2472.

The examiner can normally be reached on M-Fri. 7:30 - 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, John Lee can be reached at (571) 272-2477. The fax phone number for the

organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

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Center (EBC) at 866-217-9197 (toll-free).

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